

- 1.8 m offset antenna
- Compliant for C, Ku, X-Band feeds
- Constantly technical support
- Galvanized support arm and alignment struts
- Supported by robust mechanic
- Supported by AKS250 antenna controller
- Optionally tracking system with the beacon receiver or DVB tuner card
- Optionally resolver for high sensitivity
- Optionally de-icing system



SVS Telekom presents various antenna system to the market since 1995. SVS Telekom provides the best value antenna solution to the market with competitive prices, the highest quality products, and superb engineering support. As a fixed motorized antenna, SM180 Receive Only Antenna system is a robust, high performance, efficient and affordable antenna system.

SM180 which is supported by AKS250, has excellent movement ability on three axes. SM180 is used under difficult conditions for many years and with this experience we found perfect matching between SM180 and AKS250 antenna controller.



Key words for SM180-Receive only antenna system

- High Performance
- Robust
- Affordable
- Efficient
- Flexible
- Professional
- Durable
- Constantly Technical Support

SM180-Ro FIXED MOTORIZED ANTENNA SOLUTION

RF SPECIFICATIONS	C-Band	Ku-Band
Frequency Band	3.7-4.2 GHz	10.95-12.75 GHz
Polarization	Linear (Circular Optional)	Linear (Circular Optional)
Antenna Gain	35.3 dBi @ 3.95 GHz	45.5 dBi @ 11.95 GHz
3 dB Beamwidth	3.0°	1.0°
Antenna Noise Temperature	36°K @ 30° Elevation	31° K @ 30° Elevation
VSWR	1.4:1	1.3:1
Antenna Cross Polarization	30 dB on Axis (Linear)	30 dB on Axis (Linear)
Feed Interface	CPR-229	WR75 Flat Flange
MECHANICAL SPECIFICATIONS		
Antenna Geometry	Offset Feed Prime Focus	
Antenna Reflector Effective Aperture	1.8 m	
Ports	2 ports	
Elevation Range	10°-90°	
Azimuth Range	±100° (Adjustable for ±180°)	
Polarization Range	±100°	
Weight	200 kg	
Reflector Material	Fiber Glass Reinforced Polyester	
SPEED		
	Minimum	Maximum
Azimuth	0.1°/sec	1.5°/sec
Elevation	0.1°/sec	1.5°/sec
Polarization	0.5°/sec	13°/sec
ENVIRONMENTAL SPECIFICATIONS		
	Operational	Survival
Wind Load	100 km/h	160 km/h
Ambient Temperature	-30°C to +60°C	-40°C to +70°C
Humidity	0% - 100% (Condensing)	0% - 100% (Condensing)